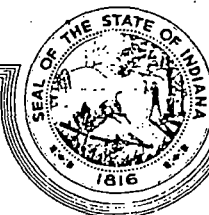


STATE OF INDIANA

US EPA RECORDS CENTER REGION 5



522841



INDIANAPOLIS 46206

STREAM POLLUTION CONTROL BOARD

1330 West Michigan Street

October 10, 1979

Mr. G. J. Behrens, Manager
Technical Services
Gary Works-M.S. 188
One North Broadway Street
Gary, IN 46402

Dear Mr. Behrens:

Re: Plans and Specifications for
No. 3 Sintering Plant
Process Water Treatment System
U.S. Steel Corporation-Gary Works
Gary

You are hereby notified that the above project has been reviewed in accordance with established guidelines; and the Technical Secretary has on this date caused to be issued a SPC 15 Construction Permit, pursuant to Regulation SPC 15, Part II, Section 1. Nothing herein shall be construed as guaranteeing that the above project shall meet standards, limitations or requirements of this or any other agency of State or Federal government, as this agency has no control over the actual construction and/or operation of the above-referenced project. This letter shall act as your SPC 15 Construction Permit only.

It is proposed to install electrodynamic venturi scrubbers (EDV) on three sinter line exhaust systems at U.S. Steel Company's No. 3 Sintering Plant. Each EDV system will utilize a 7,200 gpm recirculating water system with a blowdown of 1,200 gpm to the proposed wastewater treatment system.

The proposed wastewater treatment system will be a 3,600 gpm closed loop system with water recirculation back to the scrubber except for 15-22 gpm of water and slurry to remove solids from the system and control chloride concentration in the recirculatory stream. The system includes units for oil removal, reseeded, neutralization, flocculation, clarification, sludge thickening, filtration, sludge disposal and treated water reuse.

This permit is conditioned upon the following:

1. That additional treatment facilities will be installed if the proposed facilities fail to provide adequate control.
2. That the Company notify the Indiana Stream Pollution Control Board of the date of start-up and completion of the proposed project.

October 10, 1979

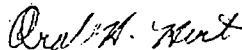
3. That the method and system of sludge disposal be approved by the Solid Waste Management Section of the Indiana State Board of Health.
4. The electrodynamic venturi scrubbers be approved by the Air Pollution Control Division of the Indiana State Board of Health.

No material changes in the plans, construction or operation of this project shall be made without first submitting to this office a detailed statement of such proposed changes or additions and obtaining concurrence from this office.

Plans and specifications were prepared by Lancy Laboratories-- Division of Dart Environmental and Services Company and submitted for review on January 10, 1979, with additional information submitted on August 2, 1979.

You are further notified that this SPC 15 Construction Permit will expire, without notice, if construction is not begun before October 1, 1980.

Very truly yours,



Oral H. Hert
Technical Secretary
and
Director
Bureau of Engineering
Indiana State Board of Health

/CASchneider/ds

Approval No. 1301

Project No: I0177

cc: Lake County Health Department
Mr. Dick Cleaton
Lancy Laboratories